

# STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE RECORD AUDIT

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<b>Operator: AMEREN ILLINOIS COMPANY</b>	Operator ID#: 32513
<b>Inspection Date(s): 1/28/2014, 1/29/2014</b>	Man Days: 2
<b>Inspection Unit: Lincoln Storage</b>	
<b>Location of Audit: Lincoln</b>	
<b>Exit Meeting Contact: J.R. Jennings</b>	
<b>Inspection Type: Standard Inspection - Record Audit</b>	
<b>Pipeline Safety Representative(s): Charles Gribbins</b>	
<b>Company Representative to Receive Report: Michael Fuller</b>	
<b>Company Representative's Email Address: mfuller2@ameren.com</b>	

<b>Headquarters Address Information:</b>	300 Liberty Peoria, IL 61602 Emergency Phone#: Fax#:	
<b>Official or Mayor's Name:</b>	Ron Pate Phone#: (217) 424-6518 Email:	
<b>Inspection Contact(s)</b>	<b>Title</b>	<b>Phone No.</b>
J.R. Jennings	Supervisor of Gas Storage	(217) 737-3492
Robert Roth	Senior Quality Assurance Consultant	(217) 778-0785

Gas System Operations	Status
Gas Transporter	ANR, Panhandle Eastern through Ameren Transmission
Miles of Main	4.2 miles at Lincoln
Confirm Operator's Potential Impact Radius Calculations	Confirmed at Decatur
<b><u>General Comment:</u></b>  <i>There are no HCA's at the Lincoln Storage Field.</i>	

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Annual Report (Form 7100.2.1) reviewed for the year:		<b>Pawnee</b>
<b>Regulatory Reporting Records</b>		<b>Status</b>
[191.5]	Were Telephonic Notices of Incidents reported to the NRC (800-424-8802)?	<b>Not Applicable</b>
<u><b>General Comment:</b></u> <i>No incidents occurred in the storage field that required reporting per Part 191 requirements.</i>		
[191.15(a)]	Was a DOT Incident Report Form F7100.2 submitted within 30 days after detection of an incident?	<b>Not Applicable</b>
<u><b>General Comment:</b></u> <i>No incidents occurred in the storage field that required reporting per Part 191 requirements.</i>		
[191.15(b)]	Were there any supplemental incident reports when deemed necessary?	<b>Not Applicable</b>
<u><b>General Comment:</b></u> <i>No supplemental incidents reports were required for 2013.</i>		
[191.23(a)]	Did the operator report Safety Related Conditions?	<b>Not Applicable</b>
<u><b>General Comment:</b></u> <i>No safety related condition reports were required in 2013.</i>		
[191.25]	Did the Operator file a Safety Related Condition Report within 5 working days of determination, but not later than 10 working days after discovery?	<b>Not Applicable</b>
<u><b>General Comment:</b></u> <i>No safety related condition reports were required in 2013.</i>		
[192.16(c)]	Customer Notification: Has the operator notified each customer after the customer first receives gas at a particular location?	<b>Not Applicable</b>
<u><b>General Comment:</b></u> <i>Customer notification is not applicable as no customers are supplied by the storage field.</i>		
<b>DRUG TESTING</b>		<b>Status</b>
Refer to Drug and Alcohol Inspection Forms and Protocols		<b>Not Checked</b>
<u><b>General Comment:</b></u> <i>This inspection was conducted in 2012 at Ameren's St. Louis General Office.</i>		
<b>TEST REQUIREMENTS</b>		<b>Status</b>
[192.517(a)][192.505,192.507,192.509,192.511(c)]	Are pressure test records being maintained for piping operating above 100 psig?	<b>Satisfactory</b>

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<b><u>General Comment:</u></b>		
Staff reviewed pressure test charts that indicated that pressure test and strength test were performed as required.		
[192.517(b)][192.511,192.509,192.513]	Are pressure test records being maintained for at least 5 years on piping operating below 100 psig?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
No piping was installed in the storage field in 2013 that operates under 100 psig.		
<b>UPRATING</b>		<b>Status</b>
<b><u>Category Comment:</u></b>		
No uprating was performed in the Lincoln storage field in 2013.		
[192.555][192.555]	Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of 30% or more SMYS?	<b>Not Applicable</b>
[192.557][192.557]	Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of less than 30% SMYS?	<b>Not Applicable</b>
<b>OPERATIONS</b>		<b>Status</b>
[192.603(b)][192.605(a)]	Has the operator conducted a review of the Operations and Maintenance Manual once per yr/15 months?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
The Ameren Operation and Maintenance Manual is utilized by the storage fields and was reviewed as required in 2013.		
Has the operator conducted a review of the Operator Qualification Plan once per yr/15 months?		<b>Not Checked</b>
<b><u>General Comment:</u></b>		
The operator qualification plan was not reviewed as part of this inspection. To be reviewed at the Pawnee Training Center at a later date.		
[192.603(b)][192.605(b)(3)]	Are construction records, maps, and operating history available to operating personnel?	<b>Satisfactory</b>
[192.603(b)][192.605(b)(8)]	Has the operator periodically reviewed personnel's work to determine the effectiveness of normal O&M procedures when deficiencies are found?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
No deficiencies were identified in storage field procedures in 2013. Storage field personnel are included in the Ameren Quality Assessment program.		
[192.603(b)][192.605(c)(1)(i)]	Does the operator maintain documentation for responding to, investigating, and correcting the cause of unintended closure of valves or shutdowns?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
No unintended closure of valves occurred in 2013.		

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[192.603(b)][192.605(c)(1)(ii)]	Does the operator maintain documentation for responding to, investigating, and correcting the cause of increase or decrease in pressure or flow rate outside normal operating limits?	<b>Not Applicable</b>
<b>General Comment:</b> <i>No increase or decrease in flows outside the normal operating limits.</i>		
[192.603(b)][192.605(c)(1)(iii)]	Does the operator maintain documentation for responding to, investigating, and correcting the cause of loss of communications?	<b>Not Applicable</b>
<b>General Comment:</b> <i>No loss of communications occurred in 2013.</i>		
[192.603(b)][192.605(c)(1)(iv)]	Does the operator maintain documentation for responding to, investigating, and correcting the cause of operation of any safety device?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Alarms received were responded to in a timely manner and corrective actions were taken.</i>		
[192.603(b)][192.605(c)(1)(v)]	Does the operator maintain documentation for responding to, investigating, and correcting the cause of any other foreseeable malfunction of a component, deviation from normal operation, or personnel error which may result in a hazard to persons or property?	<b>Satisfactory</b>
<b>General Comment:</b> <i>A majority of the abnormal operation alarms were due to loss of commercial power supply.</i>		
[192.603(b)][192.605(c)(2)]	Does the operator maintain documentation of checking variations from normal operation after abnormal operation has ended at sufficient critical locations in the system to determine continued integrity and safe operation?	<b>Satisfactory</b>
<b>General Comment:</b> <i>No issues were identified after making corrective actions.</i>		
[192.603(b)][192.605(c)(3)]	Does the operator maintain documentation of notifying responsible operator personnel when notice of an abnormal operation is received?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Ameren maintains documentation of notifications received and the corrective actions taken.</i>		
[192.603(b)][192.605(c)(4)]	Does the operator maintain documentation for periodically reviewing the response of operator personnel to determine the effectiveness of the procedures controlling abnormal operation and taking corrective	<b>Satisfactory</b>

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	action where deficiencies are found?	
<b>General Comment:</b> <i>Staff reviewed the actions taken during periods of abnormal operations and no deficiencies were identified 2013.</i>		
[192.603(b)][192.619,192.621,192.623]	Is the operator maintaining documentation verifying their Maximum Allowable Operating Pressure(s)? (MAOP)	<b>Satisfactory</b>
<b>General Comment:</b> <i>Decatur Engineering maintains the documentation regarding the system MAOP. Maps are utilized to record the current MAOP of piping in the Storage field. Engineering establishes the pressure at which new piping shall be tested for new installations and to ensure the current MAOP is maintained.</i> <i>Lincoln Storage Field MAOP is 833 psig.</i>		
<b>CONTINUING SURVEILLANCE RECORDS</b>		<b>Status</b>
[192.709(c)][192.613(a)]	Has the operator reviewed continuing surveillance records for class location changes, failures, leak history, corrosion, changes in cathodic protection, and other unusual operating and maintenance conditions?	<b>Not Checked</b>
<b>General Comment:</b> <i>Class location surveys are performed by the Transmission Integrity Group. These records are reviewed during the Transmission Integrity Department audit.</i>		
<b>CLASS LOCATION CHANGE</b>		<b>Status</b>
[192.709(c)][192.609]	Does the operator maintain documentation when the class location changes for a segment of pipe operating at a hoop stress that is more than 40% SMYS?	<b>Not Applicable</b>
<b>General Comment:</b> <i>No class location changes occurred in 2013 at Lincoln Storage.</i>		
<b>QUALIFICATION OF PIPELINE PERSONNEL</b>		<b>Status</b>
Refer to operator Qualification Inspection Forms and Protocols		<b>Not Checked</b>
<b>General Comment:</b> <i>Operator Qualification plan was not reviewed during the audit.</i> <i>Staff did review the qualification of storage field personnel during the audit and the contractor personnel. No issues were identified with their qualifications.</i>		
<b>DAMAGE PREVENTION RECORDS</b>		<b>Status</b>
<b>Category Comment:</b> <i>Locates for the Lincoln Storage field are performed by contract locators. These records are maintained by the Belleville Damage Prevention Group and are reviewed during a separate audit. There were no damages on the storage field piping due to third party damage.</i>		
[192.709(c)][191.17(a)]	Did the operator track the number of damages per 1000 locate requests for the previous years?	<b>Not Checked</b>
Has the number of damages increased or decreased from prior year?		<b>Not Checked</b>
[192.709(c)][192.617]	Does the operator track records of accidents due to	<b>Not Checked</b>

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	excavation damage to ensure causes of failures are addressed to minimize the recurrence?	
[192.709(c)][192.614(c)(3)]	Does the operator provide documentation pertaining to notification of excavation, marking, positive response, and the availability and use of the one call system?	Not Checked
Does the operator have a Quality Assurance Program in place for monitoring the locating and marking of facilities?		Not Checked
Do pipeline operators include performance measures in facility locating contracts?		Not Checked
[IL ADM. CO.265.100(b)(1)]	Was third party damage to mains involving a release of gas reported to ICC JULIE Enforcement? <a href="http://www.icc.illinois.gov/julie/">http://www.icc.illinois.gov/julie/</a>	Not Checked
Has the Operator adopted applicable section of the Common Ground Alliance Best Practices?		Not Checked
If no, were Common Ground Alliance Best Practices discussed with Operator?		Not Checked
<b>EMERGENCY PLANS</b>		<b>Status</b>
[192.603(b)][192.615(b)(1)]	Are supervisors, responsible for emergency action, furnished copies of the latest edition of the Emergency Plan?	Satisfactory
<b><u>General Comment:</u></b> <i>Staff verified the latest version of the emergency plan as January 1, 2014  The Storage Emergency Manual version is dated May 2012 and was reviewed June 25, 2013</i>		
[192.603(b)][192.615(b)(2)]	Has the operator maintained documentation that the appropriate operating personnel have received training to assure they are knowledgeable of emergency procedures and that the training was effective?	Satisfactory
<b><u>General Comment:</u></b> <i>Staff verified that storage field personnel were provided training on the emergency plan 3-20-2013 (Annual Emergency Plan and Security Plan Review)  Staff verified that storage field personnel were provided training on the O&amp;M Update training. (2013 Gas O&amp;M update Training).</i>		
[192.603(b)][192.615(b)(3)]	Has the operator maintained documentation of employee activity reviews to determine whether the procedures were effectively followed in each emergency?	Not Applicable
<b><u>General Comment:</u></b> <i>No reviews of employee's activities were required due to no emergencies occurring in 2013.</i>		
[192.603(b)][192.615(c)]	Has the operator maintained documentation that the operator established and maintained liaison with appropriate fire, police and other public officials?	Satisfactory
<b><u>General Comment:</u></b> <i>Staff verified that a meeting was held with Lincoln Rural Fire Department, Captain Chris Buse. 10-14-2013</i>		
[192.603(b)][192.615(a)(3)]	Did the review of emergency response time intervals regarding odor/leak complaint documentation indicate	Not Applicable

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	adequate emergency response intervals were achieved?	
<b>General Comment:</b> <i>The local operating center handles all leak complaint calls that may involve the storage facilities.</i>		
[192.603(b)][192.615(a)(11)]	Has the operator maintained documentation of actions that were required to be taken by a controller during and emergency?	<b>Not Applicable</b>
<b>General Comment:</b> <i>No actions were required by a controller due to an emergency as no conditions that met an emergency occurred at Lincoln Storage. Alarms observed by Gas Control were reported and responded to by storage personnel in a timely manner in 2013. These were compressor shutdowns due to loss of commercial power and a high level alarm on the discharge scrubbers.</i>		
<b>PUBLIC AWARENESS PROGRAM - RECORDS</b>		<b>Status</b>
Refer to Public Awareness Program Inspection Forms and Protocols		<b>Not Checked</b>
<b>General Comment:</b> <i>Public Awareness plan was not reviewed during the audit. It will be reviewed during a separate audit.</i>		
<b>ODORIZATION OF GAS</b>		<b>Status</b>
[192.709(c)][192.625(f)]	Where required, has the operator maintained documentation of odorant concentration level testing?	<b>Not Checked</b>
<b>General Comment:</b> <i>Odorant concentration level testing results are performed by the local operating centers. Records are not maintained by Storage Field.</i>		
[192.709(c)][192.625(e)]	Where required, has the operator maintained documentation of odorizer tank levels?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Staff reviewed records and verified that odorizer tank levels were maintained as required.</i>		
<b>PATROLLING &amp; LEAKAGE SURVEY</b>		<b>Status</b>
[192.709(c)][192.705]	Does the operator maintain documentation of a patrol program as required?	<b>Satisfactory</b>
<b>General Comment:</b> <i>The storage field was patrolled twice annually in 2013 this is listed as a class 3 location. There are no highway or rail road crossings in the storage field.</i>		
[192.709(c)][192.706]	Does the operator maintain documentation of leakage survey(s) performed on a transmission pipeline?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Possible issue leak survey not inspected within time frames Class 3 for patrolling and class 1 or 2 for leak survey. The Lincoln Storage Field was leak surveyed twice annually using a Flame Ionization unit.</i>		

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ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES		Status
[192.603(b)][192.727(b)]	Did the operator maintain documentation demonstrating that each pipeline abandoned in place was disconnected from all sources and supplies of gas, and purged of gas?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff reviewed work packets at Lincoln Storage and verified that each pipeline abandoned in place was disconnected from all sources of supply and was purged of gas. Record reviewed was purging gas to air and routine written to confirm purging.</i>		
[192.603(b)][192.727(c)]	Did the operator maintain documentation demonstrating that each inactive pipeline that is not being maintained under this part was disconnected from all sources and supplies of gas; purged of gas?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Piping that was abandoned in place was recorded and maintained in the associated work packets.</i>		
[192.603(b)][192.727(e)]	Did the operator maintain documentation when air was used for purging that a combustible mixture was not present after purging?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The operator procedures call for using a Sensit Gold to monitor the gas air mixture coming from the purge stack.</i>		
[192.727(g)][192.727(g)]	Did the operator maintain documentation for each abandoned onshore pipeline facility that crosses over, under or through a commercially navigable waterway?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No piping was abandoned that crossed a navigable river.</i>		
COMPRESSOR STATION		Status
[192.709(c)][192.731(a)]	Has the operator maintained documentation of the compressor station relief devices at a minimum of 1 per year/15 months?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>There are no pressure regulators at the station utilized to control pressure during the storage process. The flow control valves utilized to control flow during the early stages of injection and during withdrawal.</i>		
[192.709(c)][192.731(c)]	Has the operator maintained documentation compressor station emergency shutdown at a minimum of 1 per year/15 months?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff reviewed the following document "Storage Field Fire &amp; Gas Detection Alarm Inspection" and verified that the operator had completed the compressor station emergency shutdown of the compressor's.</i>		
[192.709(c)][192.736(c)]	Has the operator maintained documentation of the compressor stations – detection and alarms?	<b>Unsatisfactory</b>
<b><u>NOPV Comment:</u></b>		



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Staff reviewed the operator's 2013 O&M manual to confirm the correct inspection period for the inspection of the fixed gas detection and alarm system. The operator's plan stated that a routine recalibration of the control module shall be completed quarterly. The operator did not complete the last quarter inspection per operators 2013 O&M Manual:

Gas Storage Operating & Maintenance Plan  
Fire Detection and Gas Detection Systems  
Testing and Recording SFGD 2.01

3. Fire Detection and Alarm System Testing.

A. Routine recalibration of the control module shall be completed quarterly and shall be reported by the Operations Supervisor-Gas Storage on the Storage Field Fire/Gas Detector Alarm Inspection Form or electronic equivalent. See SFGD 4.

PRESSURE LIMITING AND REGULATION	Status
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[192.709(c)][192.739(a)]	Is the operator inspecting and testing the pressure limiting and regulating stations at a minimum of 1 per year/15 months?	<b>Satisfactory</b>
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**General Comment:**

There are no regulators utilized for pressure regulation at Lincoln Storage. The flow controllers utilized at Lincoln Storage are inspected by the Peoria Regulator Technicians.

[192.709(c)][192.743(a)]	Is the operator inspecting pressure limiting and regulating stations for adequate capacity at a minimum of 1 per year/15 months?	<b>Satisfactory</b>
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**General Comment:**

Only reliefs were required to be inspected in 2013.

[192.709(c)][192.743(b)]	If the operator used calculations to determine sufficient capacity, were the calculation reviews documented at a minimum of 1 per year/15 months?	<b>Not Checked</b>
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**General Comment:**

Ameren has capacity calculations for the reliefs in the system. These records were checked at Decatur Plaza.

[192.709(c)][192.743(a),192.743(b),192.195(b)(2)]	Is overpressure protection provided by the supplier pipeline downstream of the take point?	<b>Not Applicable</b>
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**General Comment:**

This requirement is not applicable to the Lincoln Storage field as gas being stored is received through the Ameren Transmission System and not directly from a supplier.

[192.709(c)][192.743(a)]	If Yes, does the operator have documentation to verify that these devices have adequate capacity?	<b>Not Applicable</b>
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**General Comment:**

This requirement is not applicable to the Lincoln Storage field as gas being stored is received through the Ameren Transmission System and not directly from a supplier.

VALVE MAINTENANCE	Status
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[192.709(c)][192.745(a),192.745(b)]	Did the operator inspect and partially operate transmission valves that might be required during any emergency at a minimum of 1 per year/15 months?	<b>Satisfactory</b>
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**General Comment:**

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<i>Staff verified that valves associated with the storage field were inspected as required.</i>		
[192.709(c)][192.749]	Did the operator inspect and maintain vaults > 200 cubic feet at a minimum of 1 per year/15 months?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>There are no vaults in the system that meets the 200 cubic foot requirement.</i>		
<b>Investigation Of Failures</b>		<b>Status</b>
[192.709(c)][192.617]	Did the operator experience accidents or failures requiring analysis?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No failures occurred in Lincoln Storage field that required analysis.</i>		
<b>WELDING OF STEEL PIPE</b>		<b>Status</b>
[192.603(b)][192.225(b)]	Does the operator have documentation for their qualified welding procedure?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff reviewed the qualified welding procedure used at the Lincoln Storage Field for project pipe. Welding Procedure ENE-Ameren-002 Rev 2 Weld: S6070. Process/Code SMAW-/API 1104 20th Edition API 5L grades or greater than X42 thru X60, ASTM Grade Y-42 thru Y-60</i>		
[192.603(b)][192.227, 192.229]	Does the operator have documentation of welder qualification documentation as required?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Terry Schutt was the qualified welder working with KS Energy. 6-10-2013 &amp; 12-11-2012 requalification date 12-10-2013</i>		
[192.709][192.243(b)(2)]	Does the operator have documentation of NDT personnel qualification as required?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff reviewed the qualification for Leslie D. Owens for NDT.</i>		
[192.709][192.243(f)]	Does the operator have documentation of NDT testing performed?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff reviewed the weld test reports for NDT testing performed in 2013, there were no cut out or failures found during the NDT.</i>		
<b>CORROSION CONTROL RECORDS</b>		<b>Status</b>
[192.491(a)][192.491(a)]	Has the operator maintained maps or records of cathodically protected piping, cathodic protection facilities, galvanic anodes, and neighboring structures bonded to the cathodic protection system	<b>Satisfactory</b>
[192.491][192.459]	Has the operator maintained documentation of examination when buried pipe was exposed?	<b>Satisfactory</b>

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<b><u>General Comment:</u></b>		
<i>Staff reviewed buried pipe examination reports filled out during construction projects. No issues were reported in 2013.</i>		
[192.491][192.465(a)]	Has the operator maintained documentation of annual pipe-to-soil monitoring performed at a minimum of 1 per yr/15 months and/or isolated services or short sections of main less than 100 feet at a minimum of 10% annually?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>These records were verified at Decatur Plaza.</i>		
[192.491][192.465(b)]	Has the operator maintained documentation of rectifier or other impressed current power sources inspections at a minimum of 6 per year/ 2 1/2 months?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>These records were verified at Decatur Plaza.</i>		
[192.491][192.465(c)]	Has the operator maintained documentation of each critical interference bond, reverse current switch, diode, etc. inspections at a minimum of 6 per year/ 2 1/2 months and/or non-critical interference bond inspections at a minimum of 1 per year/15 months?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>These records were verified at Decatur Plaza.</i>		
[192.491][192.465(d)]	Has the operator taken prompt remedial actions to correct any deficiencies indicated by the monitoring?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>No corrective actions were required due to the surveys performed in 2013.</i>		
[192.491][192.465(e)]	Has the operator maintained documentation of unprotected pipeline surveys, inspections, or tests at a minimum of 3 years/39 months?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>There are no unprotected pipelines in the Lincoln Storage Field.</i>		
[192.491][192.467(a),192.467(c),192.467(d)]	Has the operator maintained documentation of inspections or tests for electrical isolation including casings?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>There was one casing in the storage field and it was abandoned during the 2012 construction work.</i>		
[192.491][192.469]	Does the operator have a sufficient number of test stations or other contact points for electrical measurement to determine the adequacy of cathodic protection?	<b>Not Applicable</b>

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<b><u>General Comment:</u></b>		
<i>This information was discussed with the corrosion department at the Decatur Plaza.</i>		
[192.491][192.471]	Has the operator maintained documentation of corrective actions taken when a test lead is no longer electrically conductive?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>No test points were identified needing corrective actions</i>		
[192.491][192.473(b)]	Has the operator maintained documentation of inspections or tests to assure their cathodic protection system is not affecting adjacent underground metallic structures?	<b>Satisfactory</b>
[192.491][192.475(a)]	Has the operator maintained documentation of investigations or steps taken to minimize internal corrosion due to transportation of corrosive gas?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The operator has not encounter any internal corrosion problems in 2013.</i>		
[192.491][192.475(b)]	Has the operator maintained documentation of internal surface inspections performed when pipe is removed for any reason?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff reviewed documents named "Corrosion and Steel Damage Evaluation" which indicated the conditions of the internal pipe surface.</i>		
[192.491]	Has the operator maintained documentation of written procedures supported by as-built drawings or other construction records?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff reviewed construction as built and procedures in the work packets.</i>		
[192.491][192.477]	Has the operator maintained documentation of internal corrosion coupon monitoring at a minimum of 2 per year/ 7 1/2 months?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Coupon testing was performed twice annually as required. Staff reviewed reports named "Corrosion Coupon Weight Loss Monitor Sites Status Report" this report indicates the removal and installation of coupons. The results are maintained at the engineering office in Decatur.</i>		
[192.491][192.479]	Has the operator maintained documentation of corrective action where atmospheric corrosion was discovered?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff reviewed the leak survey reports and no issues with atmospheric corrosion were noted on the leak survey reports.</i>		
[192.491][192.481]	Has the operator maintained documentation of atmospheric corrosion control monitoring at a minimum of	<b>Satisfactory</b>

# STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE RECORD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

	1 per 3 years/ 39 months?	
<b><u>General Comment:</u></b> <i>Ameren has a waiver to conduct Atmospheric corrosion during the leak survey cycle. No issues were identified during the 2013 atmospheric corrosion survey.</i>		
[192.491][192.483(a), 192.483(b), 192.483(c)]	Has the operator maintained documentation demonstrating that pipe removed due to external corrosion has been repaired or replaced with pipe that was coated and cathodically protected?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No piping was removed due to external corrosion in 2013.</i>		
<b>TRAINING - 83 IL ADM. CODE 520</b>		<b>Status</b>
<b><u>Category Comment:</u></b> <i>The training to be reviewed at the Pawnee Training Center.</i>		
[520.10(a) (1)]	Has the operator maintained documentation demonstrating that personnel have received adequate training?	<b>Not Checked</b>
[520.10(a) (2)]	Do training records include verbal instruction and/or on the job training for each job classification?	<b>Not Checked</b>
[520.10(b)]	Has the municipal operator maintained documentation demonstrating that personnel have received adequate training?	<b>Not Checked</b>
[520.10(a)(5)]	Are procedures periodically updated to include new materials, new methods of operation and installation, and changes in general procedures?	<b>Not Checked</b>

# STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

## RECORD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.